			1. CON	TRACT ID CODE	3	PAGE OF	PAGES	
AMENDMENT OF SOLIC	CITATION/MODIFICATIO	N OF CONTRACT				1	3	
AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE I	REQ. NO.		5. PROJEC	CT NO. (If appli		
A057	See Block 16.c	N/A		QA:NA				
6. ISSUED BY	CODE	7. ADMINISTERED BY (If other	r than Item (6)	CODE			
U.S. Department of Energy		U.S. Department	t of Energy					
Office of Civilian Radioactiv		Office of Civilian Radioactive Waste Management (OCRWM						
(OCRWM)	1551 Hillshire Drive, M/S 523							
1551 Hillshire Drive, M/S 52	23	Las Vegas, NV 8		3 323				
Las Vegas, NV 89134		Las vegas, ivv o	3134					
8. NAME AND ADDRESS OF CONTRACTOR (No.	Street course State and 71D C. J.		1.636	T				
Booz-Allen & Ham			(6)	9A. AMENDA	IENT OF SO	LICITATION N	Ο.	
8283 Greensboro D		OR DATED CEF FEW 11						
McLean, Virginia 2		9B. DATED (SEE ITEM 11)						
wickean, virginia 2.								
				10A. MODIFICATION OF CONTRACT/ORDER NO.				
			X	DE LOSS SERVICES				
		1	10B. DATED (SEE ITEM 13)					
CODE	FACILITY CODE			Tuno	16, 20	02		
					10, 20	02		
	1. THIS ITEM ONLY APPLIES		SOLIC	ITATIONS				
	ed as set forth in Item 14. The hour and date			is exte		is not ext	ended.	
Offers must acknowledge receipt of this amends	ment prior to the hour and date specified in t	the solicitation or as amended, by	one of the	following meth	ods:			
a) By completing Items 8 and 15, and returning	one (1) copy of the amendment: (b) By acknown	wledging receipt of this amendme	nt on each	conv of the offe	r cubmittad.	or(c) Russes	ate letter or t	
vinch includes a reference to the solicitation and	amendment numbers. FAILURE OF YOUR	R ACKNOWLEDGMENT TO BE	RECEIVI	ED AT THE DI	ACE DEGIC	CNATEDEOD	THE DECK	
PERSPRIOR TO THE HOUR AND DATA	SPECIFIED MAY RESULT IN REJECTIO	N OF YOUR OFFER. If by virtue	of this am	endment von de	cire to chan	ge an offer alre	andre culomitt	
hange may be made by telegram or letter, prov	nded each telegram or letter makes reference	to the souchation and this amend	lment, and	is received price	r to the ope	ening hour and	data specifi	
 ACCOUNTING AND APPROPRIATION DATA 	(If required)							
N/A								
13. T	HIS ITEM APPLIES ONLY TO I	MODIFICATIONS OF CO	NITDA	CTS/OPDE	DC		-	
	MODIFIES THE CONTRACT/				Ko,			
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						300 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
B. THE ABOVE NUMBERED CONTRAC								
14, PURSUANT TO THE AUTHORITY	CT/ORDER IS MODIFIED TO REFLECT THE A OF FAR 43.103(b).	ADMINISTRATIVE CHANGES (such	as changes	in paying office, a	ppropriation	date, etc.) SET	FORTH IN IT	
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUANT TO AUTHO	RITY OF:						
AS PARKET OF THE								
D. OTHER Specify type of modification and		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	rac varios	DVSVar 101				
Cimateral modification IA	W clauses H.20 "Ordering Pr		vel of E	Effort"				
E. IMPORTANT: Contractor X i	s not, \square is required to sign this d	locument and return	copies t	o the issuing	g office.			
4. DESCRIPTION OF AMENDMENT/MODIFICAT	TION (Organized by UCF section headings, includ	ing solicitation/contract subject matter	where feasi	ble.)				
SEE SUMMARY OF CHA	NGES							
	EVEO	I for on an						
	EXEC							
	COI	PY						
scept at provided herein, all terms and conditions of th	e document referenced in Item 9A or 10A as here!	tofore changed remains unchanged and	in full force	and effect				
5A. NAME AND TITLE OF SIGNER (Type or		16A. NAME AND TITLE OF C			(Type or pr	rint)		
		Spencer R. Peterson						
		1000						
		Contracting C						
5B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AM	ERICA	^		16C. DATE SI	GNED	
		. 1	1	de		11/1/2007		
		BY X/Dever	1/	Film	~	_11/16/06	,	
(Signature of person authorized to s	sign)	(Signature of C	Contracting	Officer)				
40-01-152-8070	30-105		STA	NDARD FOR	RM 30 (RI	EV. 10-83)		
OUS EDITION UNUSABLE	Computer Gene	erated		ribed by GSA		1.0		

Prescribed by GSA FAR (48 CFR) 53.243

Summary of Changes:

- 1. The purpose of this modification are as follows:
 - a. The new FY 07 set-aside amounts and total estimated amount of the contract is revised as follows:

From:

\$111,725,070.26

Increase:

\$ 180,000.00

To:

\$111,725,070.26

b. Revise contract clause B.3 (last modification A055) to read as:

B.3ESTIMATED COST, BASE FEE, AND AWARD FEE

Period of Performance: June 16, 2002 through January 31, 2007

Estimated Cost:

\$105,911,752.73

\$

Base Fee (Not to Exceed 2% of the Estimated Cost)

0.00

Maximum Available Award Fee:

5,813,317.53

Total Estimated Cost, Base Fee and Maximum

Available Award Fee:

\$ 111,725,070.26

- 2. The following tasks are being issued under contract clause H-20 "Ordering Procedures":
 - a. Task HQ07-02 "FY07 Total System Life Cycle Cost Estimate Support" COR for this task: Syed Bokhari. Period of Performance: Oct 2, 2006 through 31 January 2007.
 - b. Task HQ07-02A "FY 07 Fee Adequacy Assessment Support" COR for this task: Syed Bokhari. Period of Performance: Oct 2, 2006 through 31 January 2007.
- 3. Tasks YM06-02A and YM06-2B are extended as follows:
 - a. YM06-02A is hereby extended through January 31, 2007 at no additional cost.
 - b. YM06-02B is hereby extended through October 31, 2006 at no additional cost.

4. FY 07 set-aside amounts and obligations are revised to read:

Task	Description	FY 07 Estimated \$	FY 07 Obligated \$	FY07 Unobligated \$
YM04-02A	Natural Analogs	\$0.00	\$0.00	\$0.00
HQ05-02E	Review of the TSPA	\$0.00	\$0.00	\$0.00
YM07-01	YM Base Task	\$2,871,000.00	\$2,871,000.00	\$0.00
YM07-01 LSN (4.4.3)	LSN Support (Op fund)	\$475,323.00	\$0.00	\$475,323.00
YM06-02A	Monitor Geological Repository Requirements Documents	\$0.00	\$0.00	\$0.00
YM06-02B	Cash Flow Analysis	\$0.00	\$0.00	\$0.00
HQ07-01	HQ Base Task	\$3,132,619.00	\$3,132,619.00	\$0.00
HQ07-01 International (4.9)	S&T Support (Op fund)	\$180,000.00	\$180,000.00	\$0.00
HQ 07-01 Transportation (4.11)	Transportation (Op Fund)	\$341,000.00	\$0.00	\$341,000.00
HQ06-02	Review of Tec Impacts	\$0.00	\$0.00	\$0.00
HQ07-02	Mgmt & Tech Spt Svcs	\$426,300.00	\$0.00	\$426,300.00
HQ07-02A	Mgmt & Tech Spt Svcs	\$200,200.00	\$0.00	\$200,200.00
Total		\$8,422,105.00	\$6,979,782.00	\$1,442,823.00

Note: The contractor is not authorized, without written prior approval from the Contracting Officer, to exceed the estimated set-aside amounts above (individually or as a whole). Any incurred or committed costs that exceed these set-aside table amounts, with prior written approval of the Contracting Officer, will not be paid or reimbursed.

End of Summary of Changes

U.S. DEPARTMENT OF ENERGY TASK ORDER

CONTRACTOR NAME AND ADDRESS:

CONTRACT NUMBER: DE-AC28-02RW12152

Richard L. Toft, General Manager

Booz-Allen & Hamilton, Inc.

8283 Greensboro Drive

McLean, Virginia 22102-3838

CONTROL NUMBER:

Het world

TASK ORDER NUMBER: HOGG-03- HOGF-Q

Sub Service

Managers

Contracting Officer's Rep

Date: 9.28.0

HQ-RW-516

(202) 586-2285

TITLE OF TASK ORDER:

Management and Technical Support Services

DESCRIPTION OF WORK TO BE PERFORMED:

SCHEDULE OF PERFORMANCE/DELIVERABLES LIST AND DUE DATES: SEE ATTACHED PAGES.

NOTE: For each deliverable required by this Task Order, the Contractor shall submit to the Contracting Officer (CO) and to the Contracting Officer's Representative (COR) a copy of the transmittal letter which evidences timely receipt of the deliverable by the Department of Energy. A separate deliverable entitled "Final Task Status Report" shall provide totals of the cost, fee, and hours expended under this Task Order, and shall be provided to the CO, COR, and Service Manager within three months after the completion date of this Task Order.

PPERFORMANCE: This Task Order covers the period of performance from October 2, 2006, through January 31, 2007.

THIS TASK ORDER IS ISSUED PURSUANT TO THE ORDERING PROCEDURES CLAUSE OF THE SUBJECT CONTRACT.

THE CONTRACTOR SHALL NOT BE PAID FOR WORK PERFORMED OR COSTS INCURRED UNDER THIS TASK ORDER PRIOR TO THE DATE OF THE CO'S SIGNATURE BELOW. IN ADDITION, THE CONTRACTOR IS NOT AUTHORIZED TO PROCEED BEYOND THE PERFORMANCE PERIOD OF THIS TASK ORDER, NOR WILL THE CONTRACTOR BE PAID FOR ANY COSTS INCURRED BEYOND THIS PERIOD, UNLESS THIS TASK ORDER IS REVISED BY THE CONTRACTING OFFICER TO AUTHORIZE ADDITIONAL PERFORMANCE AND PAYMENT.

LOSIZIOS.

NTRACTING OFFICER

Spencer R. Peterson TYPE NAME OF

CONTRACTING OFFICER

Statement of Work Office of Civilian Radioactive Waste Management FY 2007 Total System Life Cycle Cost Estimate Support

September 2006

1. Background

The Total System Life Cycle Cost (TSLCC) is the Civilian Radioactive Waste Management Program's estimate of the cost to characterize, license, construct, operate, and decommission a repository for permanent geologic disposal of the Nation's spent nuclear fuel and high-level radioactive waste. The TSLCC supports the Secretary of Energy's annual Fee Adequacy assessment, which is required by the Nuclear Waste Policy Act, and the Department of Energy's calculation of defense liability resulting from disposal of its wastes in Yucca Mountain.

The Office of Civilian Radioactive Waste Management (OCRWM) Waste Management Office is responsible for producing the annual Fee Adequacy assessment. This includes overseeing the development of cost models and information management activities.

2. Task Objectives

The objectives of this task are to accomplish the development, integration, update, and maintenance of the TSLCC estimate for the OCRWM Program.

Scope of Work

The Waste Management Office requires support in the following areas:

- Developing the program-level assumptions and cost basis documents
- Integrating the transportation, repository, and program integration and institutional cost estimates
- · Updating the cost estimates for Program Integration & Institutional
- Providing independent reviews of the transportation and repository costs
- Developing the Civilian Radioactive Waste Management Inflation and Interest Rate Report
- Updating historical costs
- Revising and maintaining a database that integrates TSLCC inputs and estimates for OCRWM
- · Preparing draft briefing materials for senior management
- Conducting ad hoc analyses as needed to support program planning and strategy development

The contractor will be responsible for specific work scope as described in each of the following task areas:

Task 1 Interest and Inflation Rate Projections

The contractor shall develop interest and inflation rate projections from several sources in order to support cost estimate integration and fee adequacy sensitivity analysis. Sources of data include, but are not limited to Ibbotson Associates historical average data, Global Insight economic forecast data, EIA Projected Average Rates and OMB economic guidance. The contractor shall acquire the data necessary for development of these projections. The results of these projections shall be documented in the Interest and Inflation Rate Report.

Task 2 Total System Life Cycle Cost Estimate

The contractor shall assemble and integrate cost data for all of the Program elements, including contingency and historical costs, on a year-by-year basis throughout the life cycle of the Program in a database or spreadsheet model. The contractor shall maintain and present costs at levels of detail commensurate with needs for planning, budgeting, modeling and high-level analysis of alternatives and shall maintain and document bases of estimates. The contractor shall maintain cost and cost share allocation data in a database or spreadsheet and provide ready access to OCRWM staff and other contractors, as requested.

Subtask A Update Estimate of Program Integration and Institutional Costs

The contractor shall work with OCRWM staff and other contractors to update current cost estimates for the Program Integration & Institutional (PI&I) area, including program management and integration, quality assurance, benefits, and non-OCRWM costs. At the direction of DOE, the contractor shall conduct a major update of the PI&I cost estimate, reestimating costs based on the latest program configuration. At the direction of DOE, the contractor will provide additional estimating expertise regarding a subset of elements (e.g., Payments-equal-to-taxes, Quality Assurance) to provide a more thorough update of PI&I cost estimate. The contractor shall work with the Office of Project Controls, Office of Quality Assurance, and Office of Government Services as needed to support the revision of this estimate.

Subtask B Support to the Transportation Estimate

The contractor shall work with the Office of Logistics Management and Waste Management Office staff and contractors to incorporate cost estimates for major elements of the transportation system, including Nevada Rail construction, fleet management facility construction, cask and equipment acquisition, and operations. The contractor shall review transportation cost estimates and assumptions for consistency with program/project schedules for the repository and shall integrate them into the TSLCC cost model.

Subtask C Historical Actual Costs and Budgets

The contractor shall obtain and assemble historical costs from 1983 through prior year closing costs. Historical costs will be adjusted upward by the historical inflation rates to make them consistent with the estimate in base year dollars. The contractor shall also organize historical costs in such as a way to facilitate defense share calculations and forward-looking cost analyses.

The contractor shall report inconsistencies between budgets and cost estimates to DOE for resolution.

Subtask D Cost Estimate Integration

The contractor shall review and integrate cost estimates provided for the repository, transportation, and program management and integration program elements. The contractor shall review repository construction and operations cost estimates developed by other contractors and integrate them into a TSLCC cost model.

The contractor shall assemble costs in a spreadsheet or database model that is readily accessible by a wide range of users in OCRWM. Standardized project work breakdown structures shall be utilized wherever possible to facilitate Program-level cost analyses and reviews.

Subtask E Assumptions Document, TSLCC Estimate, and Basis of Estimate Document

At the direction of DOE, the contractor shall document the TSLCC estimate and results in three documents. First, the contractor shall document program-level assumptions for the repository, transportation, and waste acceptance in order to establish a common basis for developing the cost estimates. Second, upon completion of the cost estimate and as directed by DOE, the contractor shall prepare a summary report of the findings of the estimate activities. This document will summarize for a general audience the scope, schedule, and bases of costs included in the life cycle estimate. Third, the contractor shall provide basis of estimate documentation which includes assumptions, descriptions of scope, and unit costs where appropriate.

Task 3 Ongoing Analytical Support

At the direction of DOE and if sufficient resources are available, the contractor shall provide ongoing analytical support, including responses to ad hoc queries and presentations, value engineering studies and systems analyses, and support for internal/external reviews and audits.

The contractor shall facilitate consistency and integration between transportation and repository cost estimate assumptions and models. The contractor shall also provide data integration support to other ongoing efforts, including input to and consistency checking with cost-related information in the Program Plan, Capital Asset Management Plan, program budgets, Annual Work Plans, Baselines, Critical Decision documentation, and the Total Systems Model.

Subtask A Support to Independent Cost Estimate

At the direction of DOE, the contractor shall support the conduct of an independent cost estimate of the life cycle cost estimate by an outside party. Support may include, but is not limited to, document assembly and preparation, meeting support, analysis of areas for reconciliation of costs, and facilitation of interactions among federal and contractor staff.

Subtask B Risk Analysis

As requested by DOE, the contractor shall conduct parametric risk analyses consistent with the maturity of cost and schedule data available. Possible studies include high-level, system-wide risk studies to define a range of likely costs over the various system phases (i.e., licensing and construction, operations, monitoring, and closure and decommissioning), and defining risk relationships between the waste acceptance, repository, and transportation elements.

Results of risk analyses will be provided to repository, transportation and program integration subject matter experts for integration into contingency calculations in the cost model. Where contingency calculations have not been provided, the contractor shall develop and incorporate them into the TSLCC estimate.

Subtask C Integration with Total System Model

At the direction of DOE, the contractor shall support the integration of TSLCC data with the Total System Model. The contractor shall provide unit cost data and schedules to support the development of algorithms or programming within the Total System Model to produce total system cost outputs. Cost data and schedules shall be consistent with the latest life cycle cost data provided by the program elements.

Subtask D Ad hoc Analyses

The contractor shall respond to ad hoc queries and conduct system cost studies. Additional studies may include but are not be limited to providing support to systems engineering studies, technology development evaluations, and sensitivity analyses.

Task 4 Project Management

The contractor shall meet with DOE staff and other contractors at least monthly to support development of cost estimates, to review the basis for current estimates, and to support decision making on assumptions and bases being used for the TSLCC. The contractor shall document the results of these meetings to track decisions and assignments.

4. Summary

Deliverables

- TSLCC Assumptions Document
- Interest and Inflation Rate Report
- Transportation Cost Estimate
- Program Integration & Institutional Cost Estimate
- · Updated Historical Costs
- Cost Model
- Integrated Program Life Cycle Cost Estimate
- Cost Estimate Documentation
- Draft & Final TSLCC Reports
- Briefing Materials
- Ad hoc Analyses

U.S. DEPARTMENT OF ENERGY TASK ORDER

CONTRACTOR NAME AND ADDRESS:

CONTRACT NUMBER: DE-AC28-02RW12152

Richard L. Toft, General Manager

Booz-Allen & Hamilton, Inc.

8283 Greensboro Drive

McLean, Virginia 22102-3838

CONTROL NUMBER:

TASK ORDER NUMBER: HQ06 0

4607-034

Sub Service Managers

CPAA AVA

C. Kouts, RW-9

Contracting Officer's Rep

x: Sy Bokha

S. Bokhari

Date: 9.28-06

HQ-RW-5/6

(202) 586-2285

TITLE OF TASK ORDER:

Management and Technical Support Services

DESCRIPTION OF WORK TO BE PERFORMED:

SCHEDULE OF PERFORMANCE/DELIVERABLES LIST AND DUE DATES: SEE ATTACHED PAGES.

NOTE: For each deliverable required by this Task Order, the Contractor shall submit to the Contracting Officer (CO) and to the Contracting Officer's Representative (COR) a copy of the transmittal letter which evidences timely receipt of the deliverable by the Department of Energy. A separate deliverable entitled "Final Task Status Report" shall provide totals of the cost, fee, and hours expended under this Task Order, and shall be provided to the CO, COR, and Service Manager within three months after the completion date of this Task Order.

pperformance: This Task Order covers the period of performance from October 2, 2006, through January 31, 2007.

THIS TASK ORDER IS ISSUED PURSUANT TO THE ORDERING PROCEDURES CLAUSE OF THE SUBJECT CONTRACT.

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SIGNATUR

ONTRACTING OFFICER

Spencer R. Peterson TYPE NAME OF

CONTRACTING OFFICER

Statement of Work Office of Civilian Radioactive Waste Management FY 2007 Fee Adequacy Assessment Support

September 2006

1. Background

The Nuclear Waste Policy Act requires that the Secretary of Energy annually assess the adequacy of existing and projected monies in the Nuclear Waste Fund to support the life cycle of geologic disposal activities for the nation's inventory of spent nuclear fuel and high-level radioactive waste. This assessment is undertaken by the Office of Civilian Radioactive Waste Management (OCRWM) to satisfy this statutory requirement.

The OCRWM Waste Management Office is responsible for producing the annual Fee Adequacy assessment. This includes overseeing the integration of inputs from other OCRWM programs, development of financial models, and information management activities.

Task Objectives

The objectives of this task are to accomplish the development, integration, and maintenance of the Fee Adequacy assessment for the OCRWM Program.

3. Scope of Work

The Waste Management Office requires support in the following areas:

- Reviewing and integrating inputs into a model for analysis
- Revising and maintaining a model for assessing fee adequacy
- Calculating the share between civilian and defense costs
- Developing the draft and final Civilian Radioactive Waste Management Fee Adequacy Letter Report
- Preparing draft briefing materials for senior management
- Conducting ad hoc analyses as needed to support program planning and strategy development
- Support OMB Circular A-123 review of the defense share calculation

Task 1 Defense Share Calculation

At the direction of DOE, the contractor shall calculate the defense share of life cycle costs using the established federal register methodology. The contractor shall apply the methodology to repository, transportation, and program integration and institutional cost estimates. At the direction of DOE, the contractor shall perform sensitivity analyses on the cost share calculation to support the assessment of fee adequacy. The contractor shall document the approach and results of the analysis.

Task 2 Fee Adequacy Analysis

The contractor shall assess the adequacy of Nuclear Waste Fund fees to ensure full recovery of the civilian share of life cycle costs at the direction of the Waste Management Office. The contractor shall work with federal staff and other contractors to define major inputs, including one-time fee payments, one mil per kilowatt hour payments, and life cycle costs. The contractor shall document all major processes and input data associated with this model and maintain them as necessary. The contractor shall prepare draft and final Fee Adequacy reports of sufficient quality and detail to address the requirement of the Nuclear Waste Policy Act to determine the sufficiency of NWF funds to cover costs of disposal of civilian SNF and HLW.

Task 3 Ongoing Analytical Support

At the direction of DOE, the contractor shall provide ongoing analytical support; including responses to queries, presentations and support for internal/external reviews and audits. Support may include, but is not limited to, sensitivity analyses of the program Defense Outstanding Balance, support to Program input to Departmental financial statements, and support to Program activities to comply with the requirements of OMB circular A-123. At the direction of DOE, the contractor shall support the development of briefings to communicate the results of defense share and fee adequacy analyses.

4. Deliverables

- Defense Share Calculation and Documentation
- Draft Briefings on Defense Share Calculation and Analysis Results
- Fee Adequacy Model and Documentation
- Draft Fee Adequacy Assessment Letter Report
- Final Fee Adequacy Assessment Letter Report
- Draft Briefings on Fee Adequacy Assessment Results
- OMB Circular A-123 Process Control Documentation (Assessments, Test Plans and Results, Input Implementation Plans)